

**CONTINUING ELIGIBILITY INSPECTION (CEI) REPORT**  
*FOR FLOOD CONTROL PROJECTS*

1. **Project Name:** Alenaio Flood Control Project
2. **Date of Inspection:** November 12, 2002
3. **Inspection Personnel:**

<u>Name</u>	<u>Agency/Office</u>	<u>Telephone No.</u>
a. Jim Pennaz	COE	438-8599
b. Eric Li	COE	438-8862
c. Paula Shimata	COE	438-7030
d. Ned Hogan	DPW Highway Maintenance	961-8637

4. **Discussion:**

This annual inspection was held approximately 2 years after a major storm event. Construction repairs under PL 84-99 are scheduled to start in January 2003 with completion date in March of 2003. For this reason the O&M report will address maintenance issues. All the deficiencies were brought to the DPW's attention during the inspection. (®) denotes a repeat item from last year's inspection. (CORPS) denotes reference to PL84-99 construction drawings titled "Repair of Four Flood Control Projects (Alenaio, Pa'auau, Wailoa, and Waiakea Uka), Island of Hawaii, State of Hawaii", dated 2001 and 2002. Refer to photo map at end of report for general picture orientation.

Table. Summary of Maintenance Issues

Station	Location	Maintenance Issues
4+66*	Floodwall "B"	Remove yellow poles and brackets blocking path to maintenance road gate.
0+00 to 4+66*	Floodwall "B"	(®) Remove vegetation from left bank graded area.
1+80*	Floodwall "C"	Remove fence encroachment from floodwall.
23+00	Upstream Ululani Street Bridge	Remove vegetation from concrete channel joint. Damaged joint to be repaired under (CORPS) ring #4, repair item #4.
17+00	Downstream end of splitter wall	Monitor right bank concrete channel invert scouring of exposed aggregates from high water and debris velocities.
10+00 to 27+09	Top of Right Bank wall	(®) Remove vegetation from fence line - no picture taken.

\* Note: Stations given for Floodwall "A", "B", and "C" are based on their respective lengths. All other stations are based off of Photo Map as shown.

The deficiencies were as follows:



Floodwall "A"

a. Sta. 3+65, Floodwall "A", overview. (Sta. 3+65 CRM wall begins upstream - Sta. 0+00 wall ends downstream).



Floodwall "B"

b. Sta. 4+66, Remove yellow pole and bracket encroachments from blocking maintenance road entrance to Floodwall "B", Right Bank (RB). Remove vegetation from Left Bank (LB) graded area (®). (Sta. 4+66 wall begins upstream end - Sta. 0+00 wall ends downstream).



Floodwall "C"

c. Sta. 1+80, Remove fence encroachment on top of Floodwall "C". (Sta. 0+00 wall begins in parking lot, Sta. 2+00 is elbow, Sta. 3+36 wall ends downstream).

No maintenance deficiencies noted at Kapiolani Bridge.



d. Sta. 23+00, remove vegetation from construction joint invert of concrete channel. Note: damaged joint will be repaired under (CORPS) page ring 4, item #3.

No maintenance deficiencies noted at Ululani Bridge.





e. Sta. 17+00, right bank concrete channel invert between the end of splitter and Kinoole Street Bridge, monitor exposed aggregate resulting from high water and debris velocity scouring.

No maintenance deficiencies noted at Kilauea Avenue Bridge or 830' feet earth levee at downstream of project.

#### 5. Findings/Conclusions:

IAW ER 500-1-1, ( dtd 30 September 2001 ), and based on this CEI, the Project Condition Code is ACCEPTABLE and the Project Status is ACTIVE in the Rehabilitation and Inspection Program.

Signed: \_\_\_\_\_  
Eric Li, E.I.T., CEPOH-EC-T

Signed: \_\_\_\_\_  
James Pennaz, P.E., Ch, CEPOH-EC-T

Enclosure(s)  
1. Site Plan  
2. Photo Map